DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

DGT20

"DGT20": BENCH DIGITAL WEIGHT TRANSMITTER/INDICATOR



Multipurpose weight transmitter ideal for the production of bench or floor scales, dosage, filling systems etc. The wide range of available interfaces, makes it easy to integrate the weighing with any automation system.

Approvals:
CE-M EN 45501, OIML R-76, OIML R-61 (MID), OIML R-51 (MID), Australian approval

Integrated WebServer as standard

The best solution for advanced industrial applications

MAIN FEATURES

- Easy to use 5-key waterproof keyboard.
- Highly efficient red LED display with 6 20-mm digits and 6 LEDs for showing active functions.
- Stainless steel protective case.
- Frontal panel in alluminium, with protection gasket.
- Dimensions 170x115x68mm, fitted with support bracket (168x150mm) for table or wall mounting.
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINI TOOLS.
- Up to 10.000e or multirange 2 x 3000e @ 0,3 µV/e in CE-M approved version for legal for trade use.
- Up to 800.000 displayable divisions with internal resolution up to 3.000.000 points.
- Up to 8 signal linearization points with DINITOOLS (3 from keypad).
- A/D 24-bit sigma-delta conversion, up to 400 conv./sec. autoselect.
- Connectable with up to 8 analogue load cells with 350 Ohm input resistance.
- Management of a digitally equalised 4-cell weighing system or management of 4 independent weighing systems.
- From 12 Vdc to 24 Vdc power supply; 12Vdc power adapter included. EU, UK, US, AU plugs included as standard.

MAIN CERTIFICATIONS

- CE-M EN 45501
- OIML R76
- OIML R61 - MID
- OIML R51
- Australian legal for trade certificate of approval (NMI S788)

TRANSMITTER / INDICATOR: FUNCTIONS

- THROUGH KEYBOARD:
  Zeroing; Semi automatic and presettable tare, print and/or data transmission; ON/Stand-by.
- SELECTABLE:
  High Resolution Weighing x 10; Net/Gross or lb/kg conversion; Weighs totalisation; Formulation; Counting; In/Out Truck weighing; Hold e Peak.
- EXTERNAL INPUT:
  Simulation of key pressure; Keyboard lock.
- MOSFET OUTPUT:
  Set Point Control on the weight, either positive (in loading) or negative (in unloading), or on the pieces (counting mode), with programmable enabling/disabling thresholds, as direct check or upon weight stability.
- SERIAL PORTS:
  On all models: Reading of the net, gross, and tare weights; Clearing; Semi automatic and presettable tare; Scale switch; Setting of outputs activation thresholds.
  DGT20 and DGT20AN models: Reading of microvolts or ADC converter for all the channels; Message display; Printing; Setting of APW in counting mode; Simulation of key pressure; MODBUS serial protocol.
- THROUGH 16 bit ANALOGUE OUTPUT (DGT20AN):
  Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading).

I/O SECTION

- RS232/C bidirectional port (RJ11 connector) configurable for connection with external units.
- RS485 bidirectional port configurable for network connection (Mod. DGT20 / DGT20AN).
- 2 photomosfet outputs: 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions.
- 2 optoisolator photocoupler inputs: 12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions.
- 16-bit analogue output (DGT20AN model) 4-20mA / 0-5Vdc / 0-10Vdc at choice. Maximum load applicable on the output current: 300Ohm. Minimum load applicable on the output voltage: 1kOhm.
- Available in version with Profibus, Profinet, EthernetIP, EtherCAT and Modbus TCP/IP fieldbus.

INTEGRATED WEB SERVER

- The integrated WEB SERVER allows complete diagnostics, calibration and remote configuration of the weight transmitter from ethernet network.

  Only for PROFINET, ETHERNET IP and MODBUS TCP models.

MASTER/REPEATER OPTION (MSTSLV code)

- Specific programme for use of the indicator as a universal weight repeater or as a multi-scale repeater (MASTER) in combination with DFW/DGT/MCW.

  FUNCTIONING MODES:
- Multi-scale repeater (MASTER)
  function which allows to repeat up to 32 independent scales, with the possibility of managing their functions, or displaying and printing the sum of the weighs of all the scales.
- UNIVERSAL weight repeater
  function which allows to repeat the weight of any scales, through the configuration of the input string.

- Click to learn more.

DETAIL 1



www.diniargeo.com



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SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.